

# Work Order ID 111167

Thursday, January 09, 2014 11:36:41 AM

D4716-3  
B111167

\*111167\*

Page 1

Item ID: D4716-3 Accept \*N900040100\* Setup Start \*NS1\*  
 Revision ID: Stop \*NS2\*  
 Item Name: Duct Hose  
 Start Date: 1/9/2014 Start Qty: 20.00 \*20\*  
 Required Date: 1/24/2014 Req'd Qty: 20.00 \*20\*  
 Cust Item ID:  
 Customer:  
 Reference:

Approvals: Process Plan: 11 Date: 1/10/14 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start \*NR1\*  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D4716	A

100 0.00  
 \*100\*  
 Purchasing Memo 0.00  
 Purchasing Issue P/O: 22560  
 MANUFACTURE AS PER DWG D4716  
 Supplier: CUSTOM DUCTS  
 Certificate of conformity is required

110 Receive & Inspect for Damage & Mat'l Certs 0.00  
 \*110\*  
 Packaging Memo 0.00  
 Packaging

CL 1/10/14 20  
1/10/14 (8)

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence
		<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

**Work Order ID 111167**

Thursday, January 09, 2014 11:36:41 AM

**\*111167\***

Page 2

Item ID: D4716-3 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: Duct Hose  
Start Date: 1/9/2014 Start Qty: 20.00 **\*20\*** Cust Item ID:  
Required Date: 1/24/2014 Req'd Qty: 20.00 **\*20\*** Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 <b>*120*</b> QC Quality Control	QC6- Inspect dimensions to drawing  Memo	0.00 DAS 27 9-89 4/11/20				8			
130 <b>*130*</b> Packaging Packaging	Identify as per dwg & Stock Location: _____  Memo 57139	0.00 0.00							DAS 32 9-89 14/01/21 (8)
140 <b>*140*</b> QC Quality Control	QC21- Final Inspection - Work Order Release  Memo	0.00 0.00							14-01-22 (U) 14-01-21

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

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Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

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Doc/Data									
Equip/Tooling									
Handling/Pre									
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# Picklist Print

Page 1

Thursday, January 09, 2014 11:36:46 AM

Work Order ID: 111167

**\*111167\***

Parent Item: D4716-3

**\*D4716-3\***

Parent Item Name: Duct Hose

Start Date: 1/9/2014

Required Date: 1/24/2014

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP REV:A 12.11.08 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4716-3P		Purchased	No			110	Each	0.0000	1	20.8			
<b>*D4716-3P*</b>									<b>**</b>				
Duct Hose													

*20.8*  
*1/21/16* (8)

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



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Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
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Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

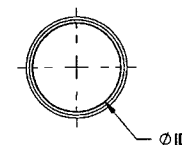
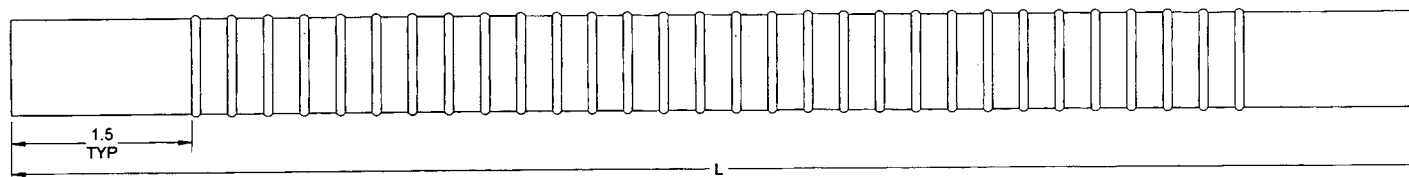
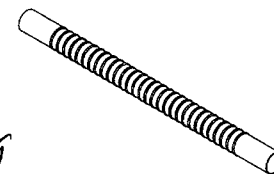
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Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

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# SPECIFICATION CONTROL DRAWING

111167  
R14-01-9



DART PART NUMBER	DESCRIPTION	POSSIBLE VENDOR	VENDOR PART NUMBER	MATERIAL	ID	L	WEIGHT (lb)
D4716-1	DUCT HOSE	CUSTOM DUCTS	SCEET	SILICONE RUBBER	0.75	24.0	0.2
D4716-3	DUCT HOSE	CUSTOM DUCTS	SCEET	SILICONE RUBBER	0.75	28.0	0.2
D4716-5	DUCT HOSE	CUSTOM DUCTS	SCEET	SILICONE RUBBER	0.75	41.0	0.3

## D4716-X DUCT HOSE

RELEASED  
2012-11-05  
mp

### NOTES:

- 1) MATERIAL: PER TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: PER TABLE

A	NEW ISSUE	RF	12.07.25
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	RF	D4716	SHEET 1 OF 1
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	DUCT HOSE	NTS
DATE	12.07.25	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO22560

Purchase Order Date 1/9/2014

PO Print Date 1/10/2014

Page Number 1 of 2

**Order From :**

VU-ROY003

ROYAL BANK VISA  
X  
HAWKESBURY, ONT X  
CAN

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

FA  
01/10/14

**Contact Name**

**Vendor Phone**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

COD

**Currency**

USD

**FOB**

Destination-Collect

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

FedEx PI collect

**Ship Acct:**

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D4716-1P  AS PER DWG D4716 REV. A B111166 SAME AS PER PO:18920	Duct Hose	1/15/2014 Yes 1/15/2014		4.00 Each	\$30.00	\$120.00
						<b>Line Total:</b>	<b>\$120.00</b>
2	D4716-3P  AS PER DWG D4716 REV. A B111167 SAME AS PER PO:18920	Duct Hose	1/15/2014 Yes 1/15/2014		8.00 Each	\$34.00	\$272.00
						<b>Line Total:</b>	<b>\$272.00</b>

**PO Instructions:** CUSTOM DUCTS  
VISA: 4514 0310 0959 2060 EXP:11/17 CID:134  
Linda Lacelle

**Note:**

1/10/2014

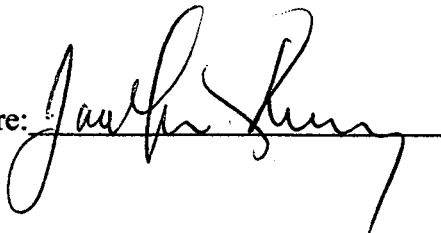
Custom Duct  
179 Beaver Berry Rd.  
Limington, ME 04049

## CERTIFICATE OF CONFORMANCE

Customer Name: Dart Aerospace Ltd. Purchase Order No: P0022560

2 EACH SCEET 3 X 24" Your D4716-1P WITH CUFFS  
5 EACH SCEET 3 X 28" Your D4716-3P WITH CUFFS  
5 EACH SCEET 3 X 41" Your D4716-5P WITH CUFFS

This is to certify that the products, systems and/or services listed here-in have been manufactured, inspected and tested in accordance with Custom Duct and industry standards. It is further certified that the items listed here-on are in compliance with the provisions of your purchase order/ work order listed above. Inspection and test records and material certifications are on file and available upon request.

Signature: 

Date: Jan 12, 2014

**179 Beaver Berry Rd  
Limington, ME 04049  
PH 1 800 863 2620**

Date	Invoice #
1/12/2014	1770

<b>Bill To</b>
Dart Aerospace 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Ship To
Dart Aerospace 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
PO22560	visa		1/12/2014	Federal Express	Dest collect	
Quantity	Item Code	Description			Price Each	Amount
4	SCEET	Double Wall SCEET 3 X 24" Your D4716-1P			30.00	120.00
<del>8</del>	<del>SCEET</del>	<del>Double Wall SCEET 3 X 28" Your D4716-3P</del>			<del>34.00</del>	<del>272.00</del>
<del>24</del>	<del>SCEET</del>	<del>Double Wall SCEET 3 X 41" Your D4716-5P</del>			<del>38.00</del>	<del>912.00</del>
	Ship	Shipping Charge Collect via fedex Ground			0.00	0.00



**HARTZELL**  
aerospace

Industrial Tube Co. LLC  
3091 Indian Ave  
Perris, CA 92571  
(951) 657-2611 Fax (951) 943-0191  
www.hartzellaerospace.com

**Packing List 064106****Customer No C00853****Sales Order Packing List**

**Ship to : CUSTOM DUCT**  
**179 BEAVER BERRY RD.**  
**LIMINGTON ME 04049**  
**USA**

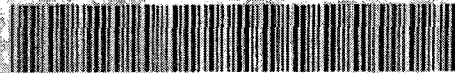
**Sold to : CUSTOM DUCT**  
**179 BEAVER BERRY RD.**  
**LIMINGTON ME 04049**  
**USA**

Ship Date	Customer PO	Sales Order	# of Boxes	Weight	Ship VIA	Bill of Lading	FOB
03/11/2013	13-1521	028095-00	0	0.0000	UPS TRAC COLL		PERRIS, CA
Item	Part / Rev / Description / Details				Order Quantity	Location	Picked Qty

000001 TPS 3 X 144 Rev NC U/M EA 12.000 12.000  
HOSE, 2 PLY SILI .75"ID X 12FT

**CURED****1013**

JO 75548-0000



0.000

## Shipper Memo:

## \*\*\*CERTIFICATE OF CONFORMANCE\*\*\*

Seller hereby certifies that the products in this shipment conform to the requirements of the listed purchase order. Inspection and/or test results are on file and will be made available to the customer upon request.

Seller certifies that the Quality Management System of Industrial Tube Corp. complies with the requirements of AS9100 "C" and ISO 9001:2000. Seller certifies items were manufactured in the United States of America.

**NOTE: Returns without an authorization number will not be accepted.**

*Maria G. Sander*  
*Maria G. Sander*



3-5-13

**HARTZELL**  
aerospacE

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Perris, CA 92571  
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**Shipping List 064106**

**Customer No C00853**  
**Sales Order Shipper**

**Ship to :CUSTOM DUCT**  
**179 BEAVER BERRY RD.**  
**LIMINGTON ME 04049**  
**USA**

**Sold to :CUSTOM DUCT**  
**179 BEAVER BERRY RD.**  
**LIMINGTON ME 04049**  
**USA**

Ship Date	Customer PO	# of Boxes	Weight	Ship VIA	Bill of Lading	FOB
03/05/2013	13-1521	1	14.0000	UPS TRAC COLL	1Z9277640346535424	PERRIS, CA
Item	Fac / Part / Rev / Description / Details			Order Quantity		Ship Quantity
000001	Default Sales Order 028095-00 Item 001 TPS 3 X 144 Rev NC U/M EA HOSE,2 PLY SILI .75"ID X 12FT			12.000		12.000

## **FABRI COTE**

DIV. OF A & S GLASS FABRICS CO., INC  
724 E. 60TH STREET  
LOS ANGELES, CA 90001  
(323) 232-2147

CUSTOM DUCT  
179 BEAVER BERRY RD  
LIMINGTON ME 04049

### **CERTIFICATION OF COATED FABRIC**

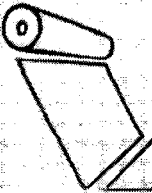
PURCHASE ORDER NUMBER	<u>12-1524</u>
LOT NUMBER	<u>55204</u>
WORK ORDER NUMBER	<u>83695</u>
NUMBER OF ROLLS	<u>1 ROLL</u>
QUANTITY SHIPPED	<u>26 YARDS</u>
DATE OF MANUFACTURE	<u>5/28/2013</u>
DATE SHIPPED	<u>5/29/2013</u>

**THIS IS TO CERTIFY THAT THE MATERIAL SHIPPED ON ABOVE ORDER CONFORMS TO:**

**7628/50 7212 RED 003C/009UNC**

**AND FURTHER CERTIFY THAT THE FABRIC USED IN THE MANUFACTURE OF ABOVE MEETS:**

**ADDITIONAL CERTIFICATIONS:**



# FABRI COTE

SHIPPED FROM: 724 E. 60TH ST., LOS ANGELES, CA 90001  
(323) 232-2147 FAX (323) 233-7048

DIVISION OF A & S GLASS FABRICS CO., INC.

PAGE: 1

REMIT TO

FABRI COTE

P.O. BOX 01856

LOS ANGELES, CALIFORNIA 90001

INVOICE NUMBER: 0083695-IN

INVOICE DATE: 05/29/13

ORDER NUMBER: 0028239

ORDER DATE: 05/17/13

SALESPERSON: 0000

CUSTOMER NO: 02-CUST

SHIP TO:

CUSTOM DUCT

179 BEAVER BERRY RD.

LIMINGTON

ME 04049

CUSTOMER P.O. 12-1524

SHIP VIA

F.O.B. COLLECT

TERMS

CASH IN ADVANCE

ITEM NO.	UNIT	ORDERED	SHIPPED	BACK ORD
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S01-762850-03C	YARD	25.00	25.00	0.00
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Cust. Item#: 7628/50 7212 RED 009/003 CURED Desc.: 7628/50

LOT NUMBER: 55203

1 ROLL @ 25 YARDS

1 CARTON

S01-762850-39X	YARD	25.00	25.00	0.00
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Cust. Item#: 7628/50 7212 RED 003C/0090 Desc.: 7628/50

LOT NUMBER: 55204

1 ROLL @ 26 YARDS

1 CARTON

Plastic or Rubber Film or Sheeting, O/T Cellulose, not printed,  
lengths of not less than 100 feet, rolled to a diameter not less  
than 3 inches. Item #156830 Sub 1 more than 15 lbs. per cu. ft.

WE CERTIFY THAT THE GOODS LISTED HEREON HAVE BEEN PRODUCED IN ACCORDANCE  
WITH THE PROVISIONS OF THE FAIR LABOR STANDARDS ACT OF 1938 AS AMENDED. THE  
SALE OF THE PRODUCT REFERRED TO IN THIS INSTRUMENT IS SUBJECT TO THE CONDITION  
PRINTED ON THE REVERSE THEREOF.

ALL OVERDUE ACCOUNTS WILL BE SUBJECT TO A PERIODIC CHARGE OF ONE PERCENT (1%)  
PER MONTH WHICH IS AN ANNUAL PERCENTAGE RATE OF TWELVE PERCENT (12%). THIS  
CHARGE WILL BE DUE AND PAYABLE AS IT ACCRUES.

NET  
LESS D

SP